SPEC CFP95rate Results

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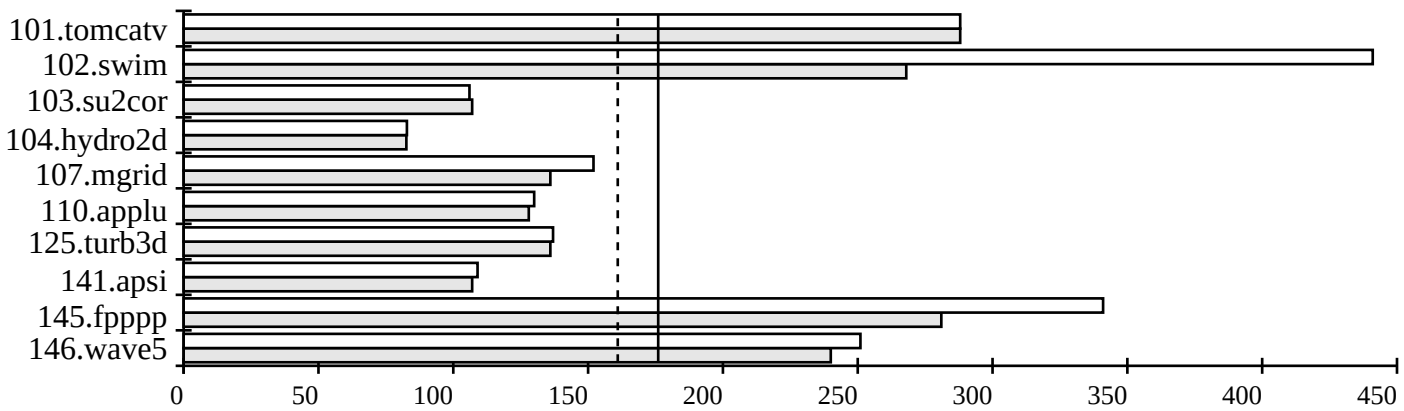
Hewlett-Packard
HP 9000 Model J280

SPECfp_rate95 = 176

SPECfp_rate_base95 = 161

SPEC license # 3	Tested By: HP Cupertino, CA	Test Date: Apr-97	Hardware Avail: Jun-96	Software Avail: Jul-97



Hardware/Software Configuration for:
HP 9000 Model J280

Hardware

Model Name:	HP 9000 Model J280
CPU:	180 MHz PA-8000
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	1MBI+1MBD off-chip
Secondary Cache:	None
Other Cache:	None
Memory:	512MB
Disk Subsystem:	1 Fast/Wide SCSI-2 2.0 GB
Other Hardware:	None

Software

Operating System:	HP-UX B.10.20
Compiler:	HP-UX f77 960522 B3906AA/B3908AA B.10.20.01
File System:	HP-UX
System State:	Multi-user

Benchmark # and Name	Base Copies	Base Run Time	Base SPEC Ratio	Copies	Run Time	SPEC Ratio
101.tomcatv	1	116	288	1	116	288
102.swim	1	289	268	1	176	441
103.su2cor	1	118	107	1	119	106
104.hydro2d	1	261	82.6	1	261	82.8
107.mgrid	1	166	136	1	148	152
110.applu	1	155	128	1	152	130
125.turb3d	1	271	136	1	268	137
141.apsi	1	177	107	1	173	109
145.fpppp	1	308	281	1	253	341
146.wave5	1	113	240	1	108	251
SPECfp_rate_base95 (G. Mean)			161			
			SPECfp_rate95 (G. Mean)			176

Notes/Tuning Information

```
Base Flags:
All:  +Oall +Odataprefetch
Linker Flag:  All: -Wl,-aarchive

Peak Flags:
101: +O3 +Odataprefetch +Oloop_unroll +Onolimit +Oregionsched +Ovectorize
102: +O4 +Ocachepadcommon +Odataprefetch +Oloop_unroll
103: +O2 +Odataprefetch +Ofastaccess +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
104: +Oall +Odataprefetch +Oloop_unroll +Owhole_program_mode
107: +O3 +Odataprefetch +Oinline_budget=1000000 +Oloop_unroll +Onofltacc +Onolimit
110: +O3 +Odataprefetch +Oloop_unroll +Onofltacc
125: +O3 +Ocachepadcommon +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll
141: +Oall
145: +O4 +Oinline_budget=1000000 +Olibcalls +Onofltacc +Onolimit +Onoloop_unroll +Ovectorize +I +P
146: +O3 +Odataprefetch +Olibcalls +Oloop_unroll +Onofltacc +Onolimit
Linker Flag: All: -Wl,-aarchive (!146); Scheduling: +DA2.0N +DS2.0A

The +I/+P indicates the use of profile based optimization.
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-- Prepared By: --